



Mineral Industry Surveys

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IRON AND STEEL SCRAP IN DECEMBER 2003

On a daily average basis in December 2003, estimated consumption of iron and steel scrap was down 2% and net receipts of purchased and home scrap were down 3% compared with those of November 2003, according to the U.S. Geological Survey. Production of home scrap was up 2% and stocks of purchased and home scrap at the end of the month were down less than 1%. These observations are based upon responses from 56% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 39% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production was up 3% and consumption was down 2% compared with those of November 2003. Stocks of pig iron at month's end were down 3%. Exports of iron and steel scrap for the month of November 2003 decreased 26% from those of October 2003. China was the leading country of destination, accounting for 41% of the total tonnage of exports, followed by the Republic of Korea with 14% and Canada with 12% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 17% of the total, followed by San Francisco, CA, with 13% and Providence, RI, with 11% (table 7).

Imports of iron and steel scrap for November 2003 decreased 7% compared with those of October 2003. Canada was the leading country of origin, accounting for 72% of the total tonnage of imports, followed by the United Kingdom with 25% and Mexico with 2% (table 9). Detroit, MI, was the leading Customs district for tonnage of imports, accounting for 44% of the total, followed by Charleston, SC, with 25% and Seattle, WA, with 11% (table 10).

The daily average domestic raw steel production for December 2003, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 246,000 metric tons, down 2% from 252,000 tons in November 2003 and up 1% from 244,000 in December 2002 (table 12). The electric furnace portion of raw steel production for December 2003 was 48%, down from 50% in November 2003 and December 2002.

Raw steel capability utilization (AISI data) in December 2003 was 82%, down from 84% of November 2003 and December 2002 (table 12). Continuous cast steel production in the United States accounted for 97% of total raw steel production in December 2003, about the same as in November 2003 and December 2002.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS²

(Thousand metric tons)

	December 2003			Year to date ^p		
	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,180	2,400	3,580	12,600	29,500	42,100
Receipts from other own company plants	W	W	166	W	W	1,950
Production recirculating scrap	646	339	985	7,930	4,250	12,200
Production obsolete scrap	11	2	13	135	26	161
Consumption (by type of furnace):						
Blast furnace	(5)	--	(5)	(5)	--	(5)
Basic oxygen process	W	W	1,260	W	W	14,400
Electric furnace	W	W	3,340	W	W	40,500
Other (including air furnace) ⁶	(5)	--	(5)	(5)	--	(5)
Total consumption	1,800	2,800	4,600	19,900	35,100	55,000
Shipments	114	3	117	1,420	174	1,590
Stocks end of month	2,110	1,960	4,070	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	535	116	651	7,680	1,290	8,970
Production	W	W	2,580	W	W	31,900
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,180	W	W	39,800
Direct castings ⁷	(5)	(5)	(5)	(5)	(5)	(5)
Electric furnace	W	W	(5)	W	W	(5)
Total consumption	3,100	79	3,180	38,800	944	39,800
Shipments	(8)	(8)	(8)	(8)	(8)	(8)
Stocks end of month	W	W	372	XX	XX	XX
Direct-reduced iron:⁹						
Receipts	136	22	158	1,200	709	1,910
Production	W	--	W	107	--	107
Total consumption	91	25	116	1,160	685	1,840
Shipments	--	--	--	15	--	15
Stocks end of month	213	136	349	XX	XX	XX

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings. December 2003 data are based on returns from 56% of monthly respondents, representing 39% of scrap consumption during this month, and estimates for nonrespondents of this survey.

³Includes data for electric furnaces operated by integrated steel producers.

⁴Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

⁵Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

⁸Withheld to avoid disclosing company proprietary data.

⁹Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS¹²

(Thousand metric tons)

Item	December 2003				Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Carbon steel:							
Low-phosphorus plate and punchings	30	W	56	132	351	W	502
Cut structural and plate	409	75	466	270	4,410	862	5,180
No. 1 heavy melting steel	421	167	564	440	4,890	2,680	7,840
No. 2 heavy melting steel	445	34	478	409	5,330	472	5,830
No. 1 and electric furnace bundles	388	W	536	283	4,670	W	6,230
No. 2 and all other bundles	76	W	81	38	887	W	930
Electric furnace 1 foot and under (not bundles)	1	W	W	W	2	W	W
Railroad rails	21	W	25	10	263	W	327
Turnings and borings	172	5	187	121	2,060	57	2,210
Slag scrap	84	135	190	168	860	1,640	2,140
Shredded and fragmentized	731	W	821	598	8,890	W	10,000
No. 1 busheling	389	15	418	248	4,650	170	4,860
Steel cans (post consumer)	22	W	27	W	253	W	340
All other carbon steel scrap	159	185	360	288	1,900	2,220	4,140
Stainless steel scrap	63	19	90	36	757	250	1,070
Alloy steel scrap	11	45	54	29	135	481	630
Ingot mold and stool scrap	W	7	5	16	W	103	62
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	27	W	27	14	291	W	289
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	39	37	92	W	408	388	839
Other mixed scrap	90	31	115	581	1,030	350	1,360
Total	3,580	985	4,600	4,070	42,100	12,200	55,000

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 3
 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP,
 BY REGION AND STATE, FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

Region and State	December 2003			Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Mid-Atlantic and New England:						
New Jersey, New York, Pennsylvania	392	175	613	4,680	2,060	7,260
North Central:						
Illinois and Indiana	381	315	677	5,020	4,170	8,960
Iowa, Minnesota, Missouri, Nebraska, Wisconsin	239	5	236	2,750	148	2,790
Michigan	200	96	270	2,190	1,090	2,840
Ohio	459	132	608	5,010	1,400	6,450
Total	1,280	549	1,790	15,000	6,810	21,000
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	220	67	274	2,200	833	3,070
Florida, Georgia, North Carolina, South Carolina	306	20	329	3,700	304	3,970
Total	526	87	602	5,890	1,140	7,030
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	434	52	484	5,050	612	5,830
Arkansas, Louisiana, Oklahoma, Texas	627	63	739	7,430	845	9,060
Total	1,060	115	1,220	12,500	1,460	14,900
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	323	59	373	4,050	719	4,740
Grand total	3,580	985	4,600	42,100	12,200	55,000

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3,4}

(Thousand metric tons)

Item	December 2003					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	13	4	W	6	6	165	53	W	85	41
Cut structural and plate	46	124	122	80	37	535	1,470	1,090	885	435
No. 1 heavy melting steel	42	112	45	174	48	515	1,270	505	1,970	632
No. 2 heavy melting steel	8	170	57	159	51	91	2,040	679	1,900	630
No. 1 and electric furnace bundles	25	284	16	53	10	317	3,390	260	590	105
No. 2 and all other bundles	7	35	5	17	12	99	408	36	207	137
Electric furnace 1 foot and under (not bundles)	--	1	--	--	--	--	2	--	--	--
Railroad rails	W	W	1	12	W	W	W	16	151	W
Turnings and borings	25	43	25	72	6	296	489	315	883	72
Slag scrap	18	33	1	31	W	217	260	64	308	W
Shredded and fragmentized	48	148	196	247	92	522	1,870	2,310	3,050	1,140
No. 1 busheling	45	164	23	151	6	577	1,890	309	1,790	81
Steel cans (post consumer)	3	W	W	W	W	47	W	W	W	W
All other carbon steel scrap	39	73	14	31	W	442	999	116	304	W
Stainless steel scrap	52	12	--	--	--	621	135	--	--	--
Alloy steel scrap	7	W	--	W	--	82	W	--	W	--
Ingot mold and stool scrap	--	W	--	--	--	2	1	--	--	--
Machinery and cupola cast iron	--	--	--	W	--	6	22	2	W	--
Cast iron borings	W	W	W	10	--	W	W	W	110	--
Motor blocks	--	--	W	--	(5)	--	--	W	--	1
Other iron scrap	W	20	W	1	W	W	174	W	18	W
Other mixed scrap	W	W	5	14	W	W	W	26	189	W
Total	392	1,280	526	1,060	323	4,680	15,000	5,890	12,500	4,050

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Scrap received from brokers, dealers, and other outside sources.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Data are rounded to no more than three significant digits; may not add to totals shown.

⁵Less than 1/2 unit.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3}

(Thousand metric tons)

Item	December 2003					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	14	33	W	W	5	168	199	W	W	43
Cut structural and plate	67	145	142	78	34	787	1,590	1,460	938	409
No. 1 heavy melting steel	82	150	45	208	79	1,020	2,380	770	2,540	1,140
No. 2 heavy melting steel	14	183	62	166	52	172	2,130	751	2,120	649
No. 1 and electric furnace bundles	35	415	14	61	10	429	4,720	268	706	109
No. 2 and all other bundles	9	33	5	19	15	112	413	38	229	139
Electric furnace 1 foot and under (not bundles)	--	13	--	--	--	--	124	--	--	--
Railroad rails	W	W	1	13	W	54	W	13	180	W
Turnings and borings	31	53	25	72	6	356	571	302	902	79
Slag scrap	30	89	15	56	W	344	991	174	625	W
Shredded and fragmentized	88	149	194	294	97	946	1,960	2,350	3,560	1,200
No. 1 busheling	52	171	30	158	7	662	1,940	338	1,810	104
Steel cans (post consumer)	6	W	W	W	W	71	W	W	W	W
All other carbon steel scrap	68	181	45	62	W	782	2,180	354	756	W
Stainless steel scrap	70	19	--	--	--	854	211	--	--	--
Alloy steel scrap	17	34	--	W	--	206	396	--	W	--
Ingot mold and stool scrap	3	1	--	(4)	--	43	13	--	6	--
Machinery and cupola cast iron	--	--	--	W	--	4	21	2	W	--
Cast iron borings	W	W	W	10	--	W	W	W	112	--
Motor blocks	--	--	W	--	--	--	--	W	--	1
Other iron scrap	W	52	W	2	W	W	463	W	38	W
Other mixed scrap	W	38	5	15	W	W	364	31	200	W
Total	613	1,790	602	1,220	373	7,260	21,000	7,030	14,900	4,740

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Less than 1/2 unit.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Region and country	November 2003		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Bahamas, The	(3)	8	(3)	52
Belize	(3)	76	1	592
Brazil	(3)	25	15	2,290
Bermuda	--	--	8	59
Canada	97	14,000	1,020	138,000
Chile	(3)	23	(3)	105
Colombia	(3)	5	(3)	83
Dominican Republic	(3)	9	1	139
Guatemala	(3)	25	26	4,200
Jamaica	(3)	6	(3)	96
Mexico	73	8,550	1,250	159,000
Peru	--	--	63	7,850
Turks and Caicos Islands	(3)	41	4	527
Venezuela	(3)	30	6	946
Other	1	--	7	1,190
Total	171	22,800	2,410	316,000
Africa, Europe, Middle East:				
Austria	(3)	6	(3)	43
Belgium	(3)	12	8	2,580
Egypt	--	--	6	318
Finland	--	--	65	60,500
Germany	(3)	168	4	2,880
Ireland	(3)	19	(3)	86
Italy	(3)	24	64	16,100
Kenya	4	953	13	3,700
Netherlands	(3)	424	17	11,600
Poland	(3)	15	(3)	15
Portugal	--	--	33	3,670
Qatar	(3)	11	(3)	18
Spain	6	648	68	35,100
Sweden	(3)	148	3	813
Switzerland	--	--	30	955
Turkey	26	4,110	570	71,400
United Arab Emirates	--	--	2	619
United Kingdom	2	707	19	8,180
Other	1	3	3	1,150
Total	39	7,250	906	220,000
Asia, Australia, Oceania:				
China	345	74,100	2,890	620,000
Hong Kong	6	1,920	34	10,400
India	3	1,500	65	18,400
Indonesia	1	247	8	2,280
Japan	4	2,320	51	27,300
Korea, Republic of	113	18,200	2,070	318,000
Malaysia	38	5,580	612	68,100
Pakistan	1	163	8	1,480
Singapore	(3)	36	37	4,820
Taiwan	45	10,800	329	86,500
Thailand	67	8,810	570	78,200
Vietnam	(3)	44	6	2,210
Other	(3)	5	2	413
Total	624	124,000	6,680	1,240,000
Grand total	834	154,000	9,990	1,770,000

-- Zero.

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION
AND SELECTED CUSTOMS DISTRICT^{1, 2, 3}

(Thousand metric tons and thousand dollars)

Region and customs district	November 2003		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	4	1,630	128	26,900
Chicago, IL	(5)	138	4	1,400
Detroit, MI	24	3,590	224	33,400
Duluth, MN	4	553	64	7,700
Great Falls, MT	2	206	18	1,990
Ogdensburg, NY	1	371	16	6,140
Pembina, ND	33	3,960	215	23,900
Other ⁴	1	147	1	681
Total	67	10,600	670	102,000
East Coast:				
Baltimore, MD	2	803	32	8,880
Boston, MA	60	8,110	667	90,400
Charleston, SC	2	1,170	13	7,430
Miami, FL	2	810	39	15,700
New York, NY	86	18,800	1,810	329,000
Norfolk, VA	3	1,450	216	35,900
Philadelphia, PA	39	6,220	393	54,100
Portland, ME	26	4,040	196	29,200
Providence, RI	94	9,930	285	35,100
Savannah, GA	6	1,820	33	11,700
St. Albans, VT	(5)	302	15	4,920
Wilmington, NC	6	354	22	2,720
Other	31	3,610	369	39,000
Total	358	57,400	4,090	664,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	1	406	81	56,400
Laredo, TX	20	3,160	342	49,100
Mobile, AL	(5)	76	3	3,070
New Orleans, LA	1	259	268	104,000
Nogales, AZ	3	249	37	2,740
San Juan, PR	12	1,430	79	9,400
Tampa, FL	23	3,680	370	48,900
Other	1	102	1	255
Total	60	9,360	1,180	274,000
West Coast and Hawaii:				
Columbia-Snake, OR	4	904	348	52,300
Honolulu, HI, and Anchorage, AK	27	4,460	122	22,000
Los Angeles, CA	140	40,100	1,920	369,000
San Diego, CA	20	545	112	8,210
San Francisco, CA	111	19,400	992	168,000
Seattle, WA	47	11,000	561	113,000
Total	350	76,400	4,050	733,000
Grand total	834	154,000	9,990	1,770,000

¹Re-export activity for November 2003 amounted to 1,170 metric tons valued at \$406,000.

²Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

³Data are rounded to no more than three significant digits; may not add to totals shown.

⁴Includes Code 70, which is for low-valued exports from the United States to Canada.

⁵Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 8
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	November 2003		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	136	19,100	1,800	239,000
No. 2 heavy melting steel	35	5,010	309	41,300
No. 1 bundles	19	2,190	167	21,400
No. 2 bundles	4	392	39	6,240
Shredded steel scrap	257	36,700	3,350	459,000
Borings, shovelings and turnings	18	1,860	141	12,000
Cut plate and structural	120	14,800	641	88,800
Tinned iron or steel	7	1,770	181	27,100
Remelting scrap ingots	1	1,010	7	7,150
Cast iron	86	16,000	970	149,000
Other iron and steel	54	11,800	1,090	122,000
Total carbon steel and cast iron	736	111,000	8,700	1,170,000
Stainless steel	21	18,200	462	342,000
Other alloy steel	77	25,000	833	258,000
Total stainless and alloy steel	99	43,200	1,300	600,000
Total carbon, stainless, alloy steel and cast iron	834	154,000	9,990	1,770,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3)	40	48	2,440
Used rails for rerolling and other uses	5	1,470	39	11,900
Total scrap exports	840	155,000	10,100	1,790,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	5	909	16	2,480
Pig iron > 0.5% phosphorus	8	744	60	5,260
Alloy pig iron	(3)	20	3	443
Total pig iron	14	1,670	79	8,180
Direct-reduced iron (DRI)	(3)	37	5	521
Spongy iron products, not DRI	(3)	128	3	1,620
Granules for abrasive cleaning and other uses	2	1,320	21	13,600
Powders of alloy steel	1	1,020	12	11,300
Other ferrous powders	3	3,720	40	44,500
Total DRI, granules, powders	7	6,220	80	71,500
Grand total	860	163,000	10,200	1,870,000

¹Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Country	November 2003		Year to date	
	Quantity	Value	Quantity	Value
Aruba	--	--	6	671
Bahamas, The	(3)	27	4	374
Brazil	(3)	50	24	3,200
Canada	203	32,700	2,120	274,000
Dominican Republic	--	--	41	4,420
Egypt	(3)	71	1	740
Mexico	6	4,350	72	36,900
Netherlands Antilles	1	13	1	13
Russia	--	--	126	16,700
Sweden	--	--	170	22,100
United Kingdom	69	12,300	608	91,600
Other	1	372	19	7,660
Total	281	49,900	3,190	459,000

-- Zero

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED CUSTOMS DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Customs district	November 2003		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	30	8,940	290	55,900
Charleston, SC	69	12,200	972	138,000
Chicago, IL	5	318	88	3,770
Cleveland, OH	5	80	6	143
Detroit, MI	124	17,800	1,130	140,000
Great Falls, MT	2	264	22	2,910
Laredo, TX	3	2,230	35	23,000
Ogdensburg, NY	2	696	18	6,430
Pembina, ND	4	1,230	22	7,420
Seattle, WA	31	3,280	366	34,100
Other	6	2,830	243 ^r	46,700 ^r
Total	281	49,900	3,190	459,000

^rRevised; unspecified group of customs districts differs from that in the previous report.

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and

²Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	November 2003		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	74	11,500	91	13,200
No. 2 heavy melting steel	1	85	3	249
No. 1 bundles	32	4,770	363	50,500
No. 2 bundles	--	--	--	--
Shredded steel scrap	8	974	737	94,400
Borings, shovelings and turnings	(3)	39	17	1,360
Cut plate and structural	1	49	87	11,200
Tinned iron or steel	2	250	17	2,900
Remelting scrap ingots	61	8,000	62	8,730
Cast iron	37	3,850	278	26,700
Other iron and steel	44	6,770	1,340	164,000
Total carbon steel and cast iron	260	36,300	2,990	373,000
Stainless steel	12	11,000	78	58,100
Other alloy steel	9	2,560	122	27,000
Total stainless and alloy steel	21	13,500	200	85,100
Total carbon, stainless, alloy steel and cast iron	281	49,900	3,190	459,000
Ships, boats, and other vessels for breaking up (for scrapping)	6	6,050	9	6,630
Used rails for rerolling and other uses	(3)	94	196	42,800
Total scrap imports	287	56,000	3,400	508,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	270	42,400	3,620	529,000
Pig iron > 0.5% phosphorus	--	--	--	--
Alloy pig iron	(3)	43	(3)	141
Total pig iron	270	42,500	3,620	530,000
Direct-reduced iron (DRI)	87	12,300	1,690	205,000
Spongy iron products, not DRI	(3)	85	1	1,370
Granules for abrasive cleaning and other uses	1	884	15	8,920
Powders of alloy steel	3	3,190	44	43,000
Other ferrous powders	(3)	14	70	48,300
Total DRI, granules, powders	92	16,500	1,820	307,000
Grand total	649	115,000	8,840	1,340,000

-- Zero.

¹Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION¹

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date	Monthly	Year to date	Monthly	Year to date
2002:						
December	7,560	91,600	83.9	89.4	97.0	97.0
2003:						
January	7,820	7,820	83.1	83.1	97.1	97.1
February	7,420	15,200	87.3	85.1	95.3	95.4
March	8,000	23,200	85.0	84.9	96.8	96.8
April	7,890	31,100	87.8	85.7	97.1	96.9
May	7,520	38,600	81.1	84.7	97.1	97.0
June	7,740	46,400	86.2	85.3	97.0	97.3
July	7,410	53,800	78.9	84.3	97.2	97.3
August	7,340	61,100	78.3	83.5	97.2	97.3
September	7,280	68,400	80.7	83.2	96.7	97.2
October	7,720	76,100	82.8	83.3	97.0	97.3
November	7,570	83,700	83.9	83.4	97.2	97.3
December	7,630	91,300	81.9	82.2	97.1	96.1

¹Data are rounded to no more than three significant digits.

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	\$/lt	\$/t	\$/lt	\$/t	\$/lt	\$/t
2002:						
December	97.00	95.47	94.10	92.61	138.72	136.53
Average	93.05	91.58	89.63	88.21	141.22	138.99
2003:						
January	106.41	104.73	105.79	104.12	159.77	157.24
February	115.91	114.08	116.21	114.37	163.07	160.49
March	120.42	118.52	121.83	119.91	163.07	160.49
April	119.80	117.91	115.92	114.09	NA	NA
May	109.04	107.32	107.38	105.68	NA	NA
June	106.13	104.45	104.57	102.92	NA	NA
July	111.21	109.45	109.63	107.89	NA	NA
August	123.32	121.37	119.17	117.29	NA	NA
September	128.35	126.32	125.83	123.85	NA	NA
October	130.67	128.61	127.92	125.89	193.75	190.69
November	144.03	141.76	141.29	139.06	199.64	196.48
December	159.88	157.35	155.50	153.05	206.64	203.38

NA Not available.

Note: Long tons = lt; metric tons = t.